

FIG. 1 is a schematic diagram of a prior art system for treating wet gas. The system includes a wet gas inlet 1, a scrubber 2, a vent 8, a condenser 9, a separator 10, and a gas outlet 4. The wet gas 1 enters the scrubber 2 from the bottom. The scrubber 2 contains a series of horizontal trays 3. The gas exits the scrubber 2 through a vent 8 and a condenser 9. The gas then passes through a separator 10 and exits through a gas outlet 4.

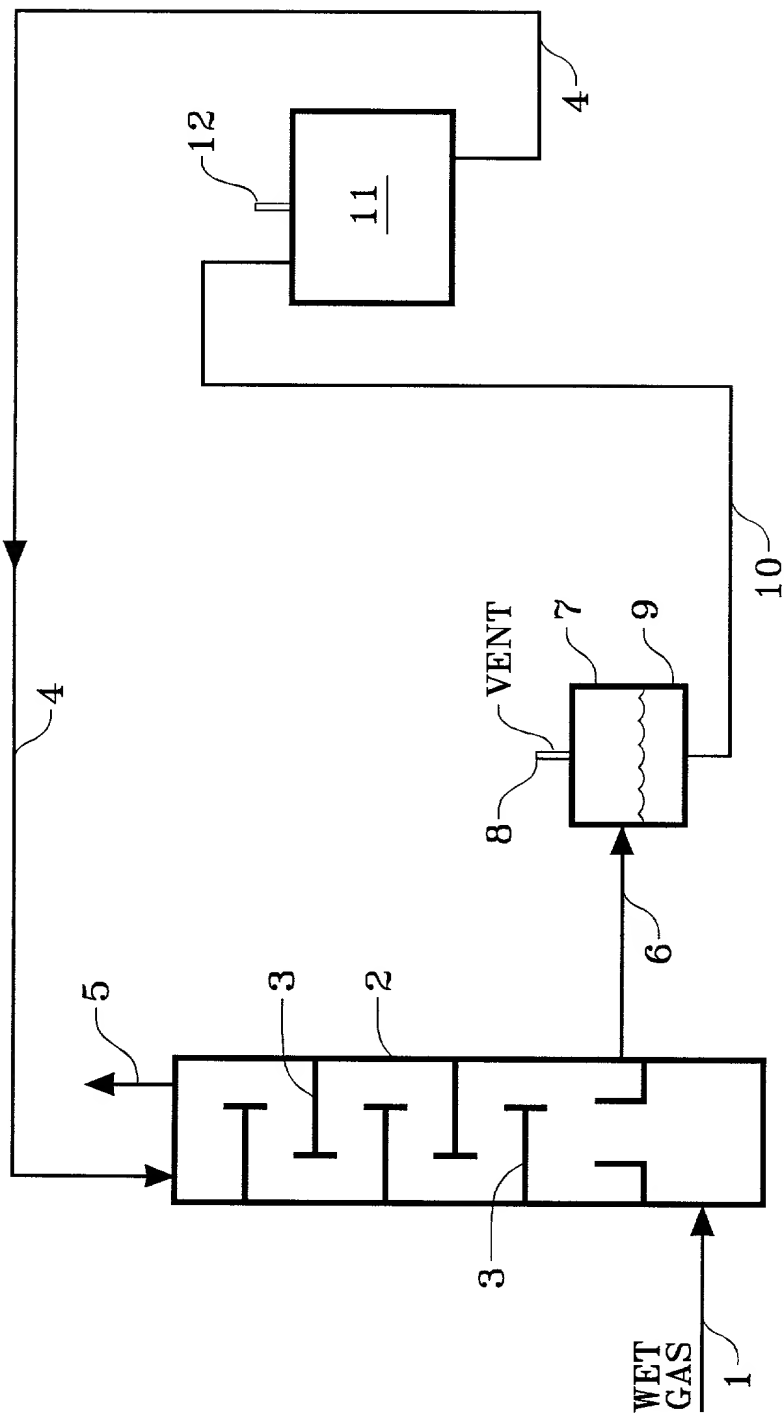


Fig. 1
PRIOR ART

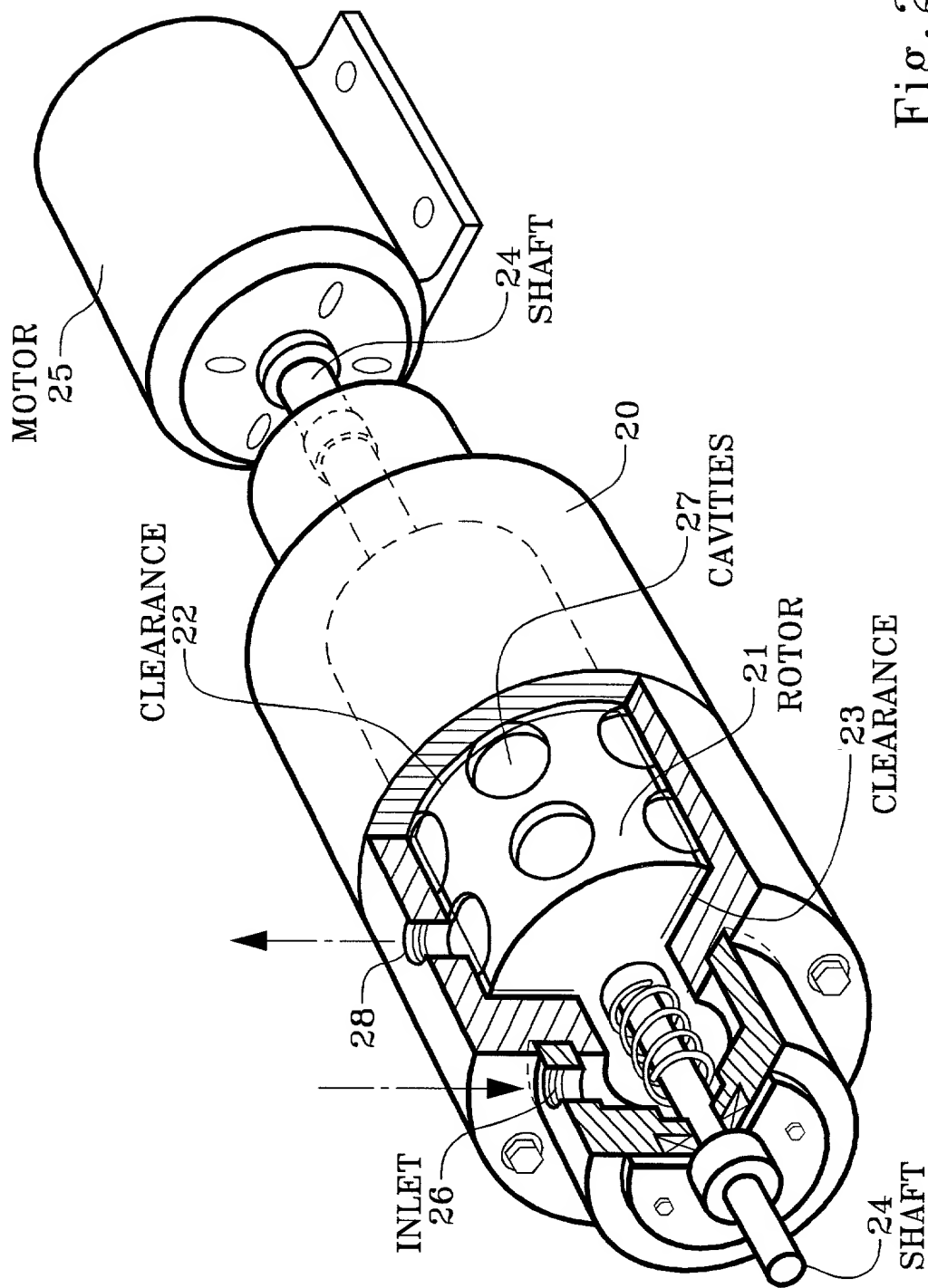


Fig. 2a

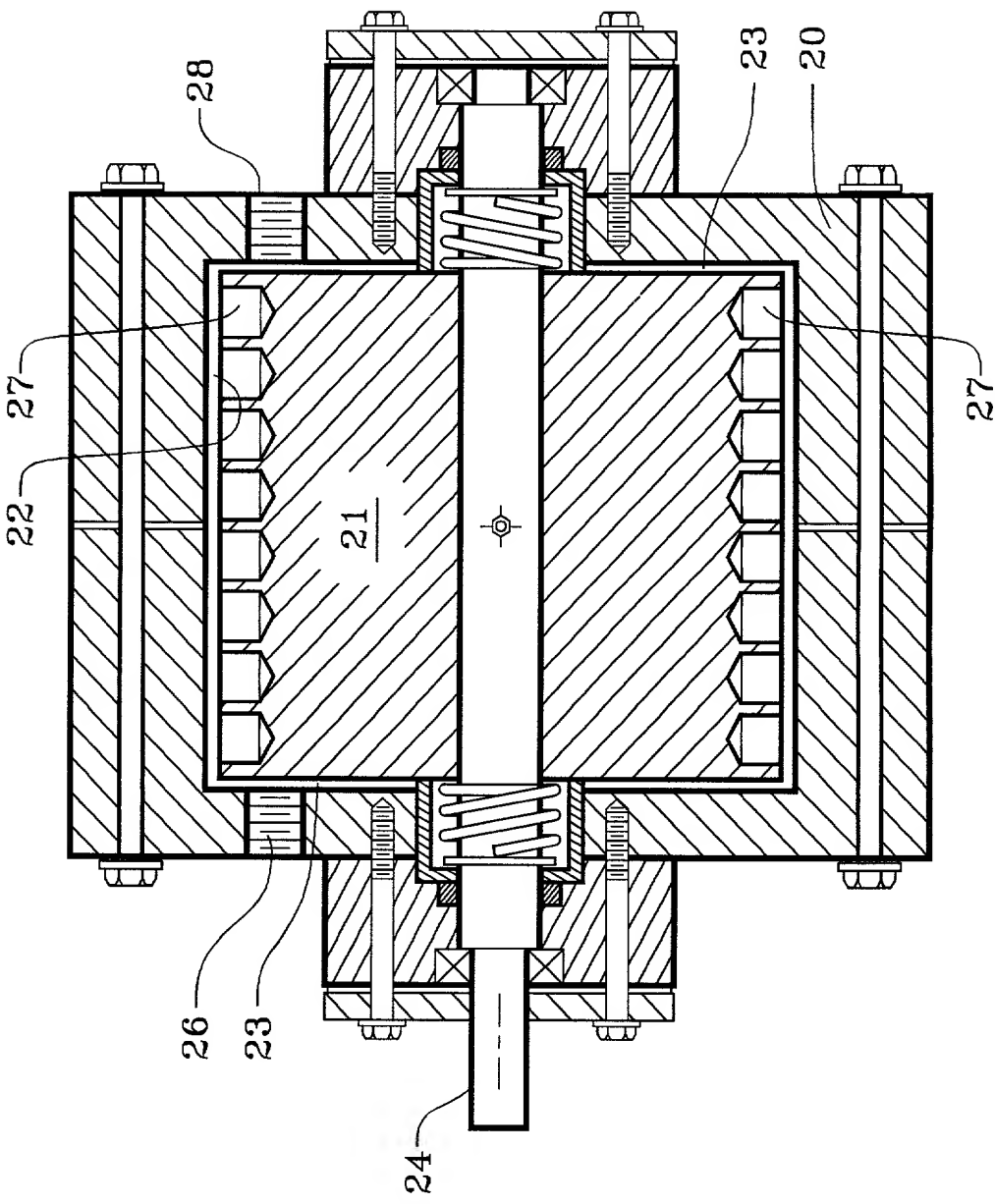


Fig. 2b

FIG. 3 is a schematic diagram of a gas processing system. The system includes a wet gas inlet 41, a wet gas separator 40, a dry gas separator 51, and a vent 49. The wet gas separator 40 has a liquid outlet 42 and a gas outlet 43. The dry gas separator 51 has a liquid outlet 52 and a gas outlet 53. The system also includes a pump 54, a pump 58, and a pump 59. The wet gas separator 40 is connected to the dry gas separator 51 via a line 46. The dry gas separator 51 is connected to the vent 49 via a line 57. The wet gas separator 40 is connected to the pump 54 via a line 47. The dry gas separator 51 is connected to the pump 58 via a line 55. The pump 54 is connected to the pump 59 via a line 61. The pump 59 is connected to the vent 49 via a line 48. The pump 58 is connected to the vent 49 via a line 49. The pump 54 is connected to the vent 49 via a line 44. The pump 58 is connected to the vent 49 via a line 45. The pump 59 is connected to the vent 49 via a line 46. The pump 54 is connected to the vent 49 via a line 47. The pump 58 is connected to the vent 49 via a line 48. The pump 59 is connected to the vent 49 via a line 49.

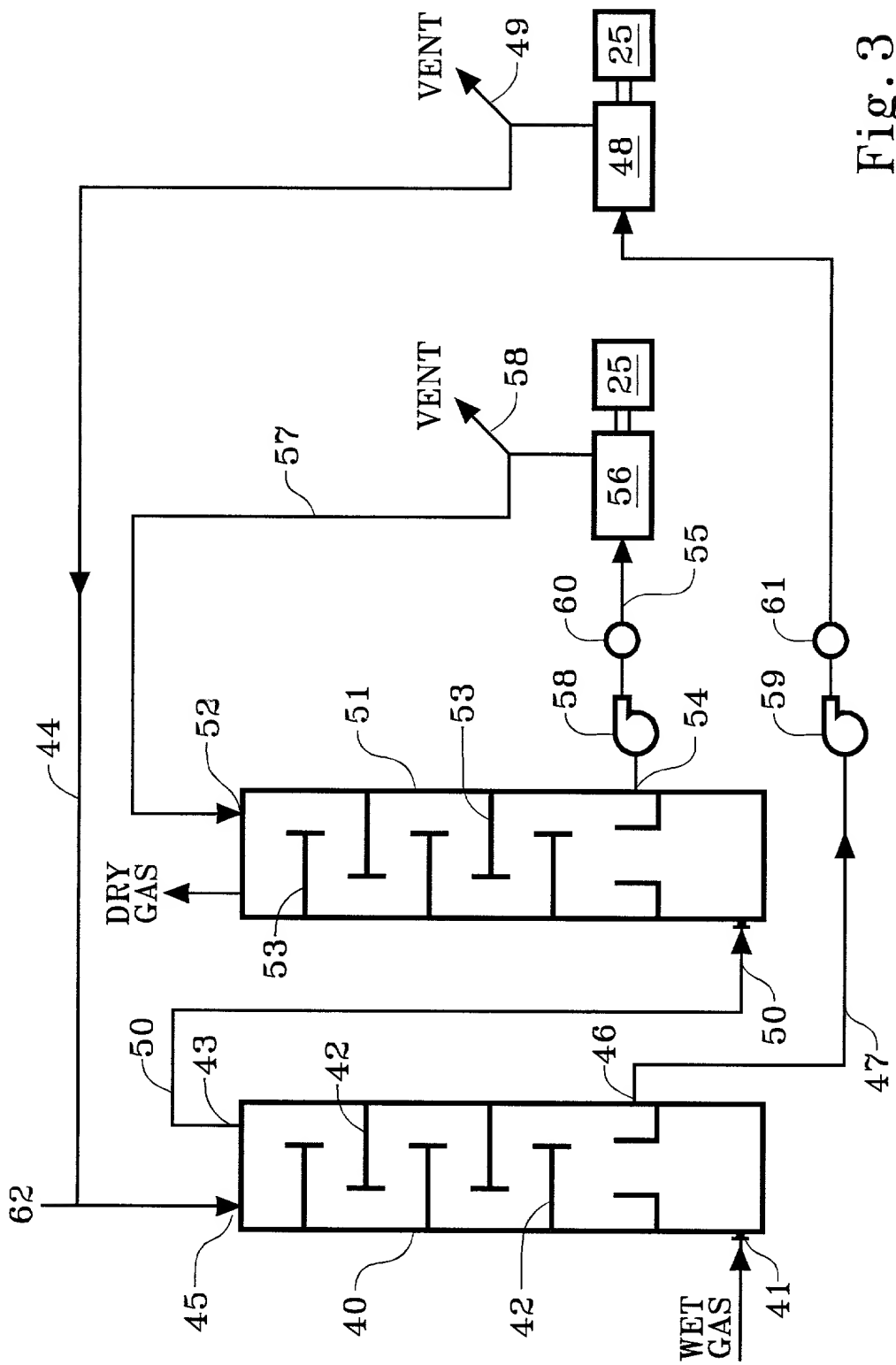


Fig. 3

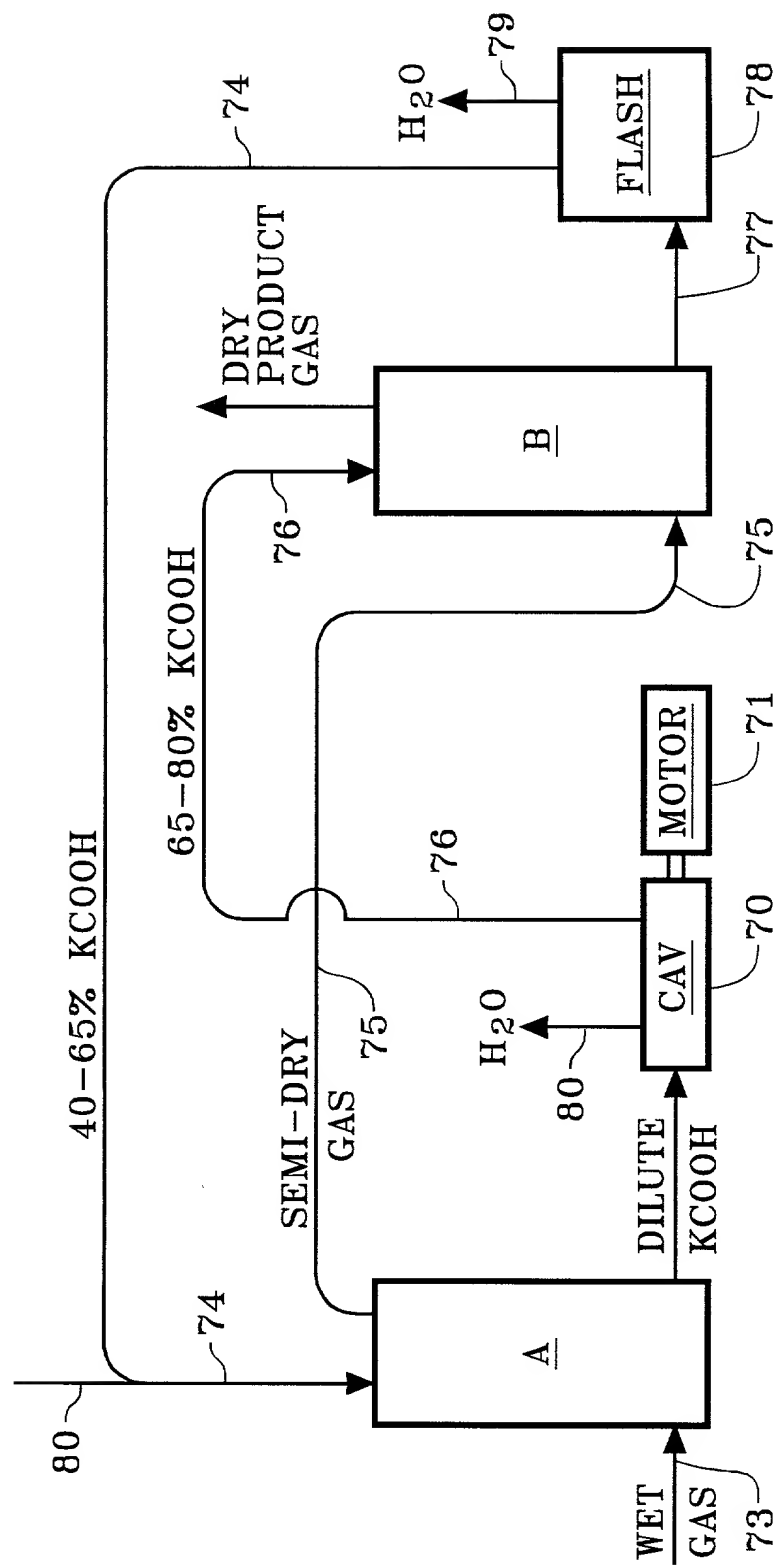


Fig. 4